

REMARKS

Claims 1, 2, and 4-20 were considered by the Examiner. Claims 1, 2, and 4-20 stand rejected by the Examiner.

In this response, claims 1, 10, 15, 16, and 18 have been amended. Claims 6-9 and 12 have been cancelled. Claims 21-24 have been added. Therefore, claims 1, 2, 4-5, 10-11 and 13-24 are pending.

Claim Objections

Claim 12 is objected to under 37 CFR 1.75(c) as being of improper dependent form for failing to further limit the subject matter of a previous claim. Claim 12 has been cancelled.

Claim Rejections under 35 U.S.C. Sec. 102**Rejections under 35 U.S.C. Sec. 102(b)**

Claims 1-2, 5, 10-12, and 14-19 are rejected under 35 U.S.C. 102(b) as being anticipated by DeFlorio (U.S. Pat. No. 5,949,026).

Claim 1 as amended reads as follows:

1. (amended) An electrical cable system comprising:
a first electrical cable comprising:
a strip shaped insulation material;
at least one electrical conductor disposed within the strip shaped insulation material;
a second electrical cable comprising:

a groove shaped insulation material for receiving the strip shaped insulation material;

at least one electrical conductor disposed within the groove shaped insulation material,

wherein the first electrical cable and second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable by mating the strip shaped insulation material with the groove shaped insulation material *such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material.*

Claim 1 as amended teaches an electrical cable system comprising a first electrical cable with a strip shaped insulation material and a second electrical cable with a groove shaped insulation material. The first electrical cable includes an electrical conductor disposed within the strip shaped insulation material. The first electrical cable and the second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable by mating the strip shaped insulation material with the groove shaped insulation material such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material. See, for example, Figure 4.

DeFlorio does not teach or suggest a first and second electrical cable which may be releasably joined using a press and fit seal such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material. Rather, DeFlorio discloses insulated electrical conductors (11 and 12) attached to and along each half of a zipper (13 and 14). The DeFlorio zipper is a fastener consisting of two rows of teeth on strips and a sliding piece that closes an opening by drawing the teeth together (see DeFlorio Figure 1). Neither electrical conductor 11 or 12 is inserted into a groove shaped insulation material.

Thus, at least for the foregoing reasons, applicant respectfully submits that DeFlorio does not teach or suggest all the claimed elements of amended claim 1.

Claim 2

Claim 2 is dependent on claim 1. Therefore, it is respectfully submitted that claim 2 is patentable over DeFlorio at least for the reasons stated above with respect to the patentability of claim 1. Accordingly, Applicant respectfully requests the withdraw of the rejection of claim 2.

Claim 5

Claim 5 is dependent on claim 1. Therefore, it is respectfully submitted that claim 5 is patentable over DeFlorio at least for the reasons stated above with respect to the patentability of claim 1. Accordingly, Applicant respectfully requests the withdraw of the rejection of claim 5.

Claim 10 as amended reads as follows:

10. (amended) An electrical cable system comprising:
a first electrical cable comprising:
a first strip shaped insulation material;
at least one electrical conductor disposed within the first strip shaped insulation material;
a first groove shaped insulation material; and
a second electrical cable comprising:
a second strip shaped insulation material for inserting into the first groove shaped insulation material;
a second groove shaped insulation material for receiving the first strip shaped insulation material; and
at least one electrical conductor disposed within the second strip shaped insulation material,
wherein the first electrical cable and second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable by mating the first strip shaped insulation material with the second groove shaped insulation material and mating the second strip shaped insulation material with the first groove shaped insulation material *such that the electrical conductor disposed within the first strip shaped insulation material is at least partially inserted into the second groove shaped insulation material and the electrical conductor disposed within the second strip shaped insulation material is at least partially inserted into the first groove shaped insulation material.*

Claim 10 as amended teaches an electrical cable system comprising a first electrical cable and a second electrical cable. The first electrical cable includes a strip shaped insulation material

and a groove shaped insulation material. The second electrical cable includes a strip shaped insulation material and a groove shaped insulation material. The first electrical cable and the second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable such that the electrical conductors disposed within the strip shaped insulation materials are at least partially inserted into the groove shaped insulation materials.

DeFlorio does not teach or suggest a first and second electrical cable which may be releasably joined using a press and fit seal such that an electrical conductor is at least partially inserted into a groove shaped material. Rather, DeFlorio discloses insulated electrical conductors (11 and 12) attached to and along each half of a zipper (13 and 14). Neither electrical conductor 11 or 12 is inserted into a groove shaped insulation material.

Thus, at least for the foregoing reasons, applicant respectfully submits that DeFlorio does not teach or suggest all the claimed elements of amended claim 10.

Claim 11

Claim 11 is dependent on claim 10. Therefore, it is respectfully submitted that claim 11 is patentable over DeFlorio at least for the reasons stated above with respect to the patentability of claim 10. Accordingly, Applicant respectfully requests the withdraw of the rejection of claim 11.

Claim 12

Claim 12 has been cancelled.

Claim 14

Claim 14 is dependent on claim 10. Therefore, it is respectfully submitted that claim 14 is patentable over DeFlorio at least for the reasons stated above with respect to the patentability

of claim 10. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 14.

Claim 15 as amended reads as follows:

15. (amended) An electrical cable system comprising:
- a first electrical cable comprising at least one electrical conductor disposed within a first insulation material;
 - a second electrical cable comprising at least one electrical conductor disposed within a second insulation material; and
 - a means for releasably joining the first electrical cable with the second electrical cable to form a co-joined cable *such that the electrical conductor disposed within the first insulation material is at least partially inserted into the second insulation material.*

Claim 15 teaches an electrical cable system with a first electrical cable and a second electrical cable. Claim 15 recites a means for releasably joining the first electrical cable with the second electrical cable such that the electrical conductor disposed within the first insulation material is at least partially inserted the second insulation material.

DeFlorio does not teach a means for releasably joining the first electrical cable with the second electrical cable such that the electrical conductor disposed within the first insulation material is at least partially inserted into the groove of the second insulation material. Rather, DeFlorio teaches a zipper with two halves consisting of two rows of teeth on strips and a sliding piece that closes an opening by drawing the teeth together (see DeFlorio Figure 1). Neither electrical conductor 11 or 12 taught by Florio is inserted into a groove shaped insulation material.

Thus, at least for the foregoing reasons, applicant respectfully submits that DeFlorio does not teach or suggest all the claimed elements of claim 15. Applicant respectfully requests the withdrawal of the rejection of claim 15.

Claim 16 as amended reads as follows:

16. (amended) A method for managing an electrical cable comprising:

providing a first electrical cable comprising a strip shaped insulation material with at least one electrical conductor disposed within the strip shaped insulation material;
providing a second electrical cable comprising a groove shaped insulation material for receiving the strip shaped insulation material with at least one electrical conductor disposed within the groove shaped insulation material; and
mating the strip shaped insulation material with the groove shaped insulation material *such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material* to releasably join the first electrical cable and second electrical cable using a press and fit seal.

Claim 16 as amended teaches a method for managing an electrical cable comprising a first electrical cable with a strip shaped insulation material and a second electrical cable with a groove shaped insulation material. The method includes mating the strip shaped insulation material with the groove shaped insulation material such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material.

DeFlorio does not teach or suggest mating a first and second electrical cable with a press and fit seal such that an electrical conductor disposed within a strip shaped insulation material is at least partially inserted into a groove shaped insulation material. Rather, DeFlorio discloses insulated electrical conductors (11 and 12) attached to and along each half of a zipper (13 and 14), and bringing the two electrical leads together by zipping each half of the zipper together. Neither electrical conductor 11 or 12 taught by Florio is inserted into a groove shaped insulation material.

Thus, at least for the foregoing reasons, applicant respectfully submits that DeFlorio does not teach or suggest all the claimed elements of amended claim 16.

Claim 17

Claim 17 is dependent on claim 16. Therefore applicant respectfully submits that claim 17 is patentable at least for the reasons set forth above for claim 16. Accordingly, Applicant requests the withdrawal of the rejection of claim 17.

Claim 18 as amended reads as follows:

18. (amended) An electrical cable system comprising:
a first electrical cable comprising at least one electrical conductor disposed within a first insulation material;
a second electrical cable comprising at least one electrical conductor disposed within a second insulation material, the second insulation material including a groove into which the first electrical cable may be inserted;
wherein the first electrical cable and second electrical cable may be releasably joined to form a co-joined cable by inserting the first electrical cable into the groove of the second insulation material *such that the electrical conductor disposed within the first insulation material is at least partially inserted into the groove of the second insulation material.*

Claim 18 teaches an electrical cable system including a first electrical cable having at least one electrical conductor disposed within a first insulation material and a second electrical cable having at least one electrical conductor disposed within a second insulation material. The second insulation material includes a groove into which the first electrical cable may be inserted.

Claim 18 teaches that the first electrical cable and second electrical cable may be releasably joined such that the electrical conductor disposed within the first insulation material is at least partially inserted into the groove of the second insulation material.

DeFlorio does not teach or suggest mating a first and second electrical cable such that an electrical conductor disposed within an insulation material is at least partially inserted into a groove shaped insulation material. Rather, DeFlorio discloses insulated electrical conductors (11 and 12) attached to and along each half of a zipper (13 and 14), and bringing the two electrical leads together by zipping each half of the zipper together. Neither electrical conductor 11 or 12 taught by Florio is inserted into a groove shaped insulation material.

Thus, at least for the foregoing reasons, applicant respectfully submits that DeFlorio does not teach or suggest all the claimed elements of amended claim 18.

Claim 19

Claim 19 is dependent on claim 18. Therefore applicant respectfully submits that claim 19 is patentable at least for the reasons set forth above for claim 18. Accordingly, Applicant requests the withdrawal of the rejection of claim 19.

Claims 1, 4, 10, 13, 18, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsuna (JP Pat Num 05-0628527).

Claim 1

Claim 1 as amended teaches an electrical cable system comprising a first electrical cable with a strip shaped insulation material and a second electrical cable with a groove shaped insulation material. The first electrical cable includes an electrical conductor disposed within the strip shaped insulation material. The first electrical cable and the second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable by mating the strip shaped insulation material with the groove shaped insulation material such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material.

Tsuna does not teach or suggest a first and second electrical cable which may be releasably joined using a press and fit seal such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material. Rather, Tsuna (Fig. 2) discloses a groove (right 5) for receiving a projection (4). The electrical conductor (left 2) is not at least partially inserted into the groove (right 5).

Thus, at least for the foregoing reasons, applicant respectfully submits that Tsuna does not teach or suggest all the claimed elements of amended claim 1. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 1.

Claim 4

Claim 4 is dependent on claim 1. Therefore, it is respectfully submitted that claim 4 is patentable over Tsuna at least for the reasons stated above with respect to the patentability of claim 1. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 4.

Claim 10

Claim 10 as amended teaches an electrical cable system comprising a first electrical cable and a second electrical cable. The first electrical cable includes a strip shaped insulation material and a groove shaped insulation material. The second electrical cable includes a strip shaped insulation material and a groove shaped insulation material. The first electrical cable and the second electrical cable may be releasably joined using a press and fit seal to form a co-joined cable such that the electrical conductors disposed within the strip shaped insulation materials are at least partially inserted into the groove shaped insulation materials.

Tsuna does not teach or suggest a first and second electrical cable which may be releasably joined using a press and fit seal such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material. Rather, Tsuna (Fig. 2) discloses a groove (right 5) for receiving a projection (4). The electrical conductor (left 2) is not at least partially inserted into the groove (right 5).

Thus, at least for the foregoing reasons, applicant respectfully submits that Tsuna does not teach or suggest all the claimed elements of amended claim 10. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 10.

Claim 13

Claim 13 is dependent on claim 10. Therefore, it is respectfully submitted that claim 13 is patentable over Tsuna at least for the reasons stated above with respect to the patentability of claim 10. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 13.

Claim 18

Claim 18 teaches an electrical cable system including a first electrical cable having at least one electrical conductor disposed within a first insulation material and a second electrical cable having at least one electrical conductor disposed within a second insulation material. The second insulation material includes a groove into which the first electrical cable may be inserted. Claim 18 teaches that the first electrical cable and second electrical cable may be releasably joined such that the electrical conductor disposed within the first insulation material is at least partially inserted into the groove of the second insulation material.

Tsuna does not teach or suggest a first and second electrical cable which may be releasably joined using a press and fit seal such that the electrical conductor disposed within the strip shaped insulation material is at least partially inserted into the groove shaped insulation material. Rather, Tsuna (Fig. 2) discloses a groove (right 5) for receiving a projection (4). The electrical conductor (left 2) is not at least partially inserted into the groove (right 5).

Claim 20

Claim 20 is dependent on claim 18. Therefore, it is respectfully submitted that claim 20 is patentable over Tsuna at least for the reasons stated above with respect to the patentability of claim 18. Accordingly, Applicant respectfully requests the withdrawal of the rejection of claim 20.

Rejections under 35 U.S.C. Sec. 103(a)

Claims 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over MacDonald, Jr. et al (U.S. Pat. No. 3,374,126) in view of DeFlorio (U.S. Pat. No. 5,949,026). Claims 6-9 have been cancelled.

New Claims**New Claim 21 reads as follows:**

21. (new) A headset comprising:
a first speaker coupled to a first electrical cable, the first electrical cable comprising an electrical conductor disposed within a first insulation material, wherein the first insulation material is shaped to form a first component of a releasable press and fit seal; and
a second speaker coupled to a second electrical cable, the second electrical cable comprising an electrical conductor disposed within a second insulation material, wherein the second insulation material is shaped to form a second component of the releasable press and fit seal such that the electrical conductor disposed within the first insulation material is at least partially inserted into the second insulation material during the formation of the press and fit seal.

Claim 21 teaches a headset including a first speaker coupled to a first electrical cable and a second speaker coupled to a second electrical cable. The first electrical cable includes an electrical conductor disposed within a first insulation material shaped to form a first component of a releasable press and fit seal. The second electrical cable includes an electrical conductor disposed with a second insulation material shaped to form a second component of a releasable press and fit seal. Claim 21 teaches that the electrical conductor disposed within the first insulation material is at least partially inserted into the second insulation material during the formation of the press and fit seal.

DeFlorio, Tsuna, and MacDonald, either alone or in combination, do not teach or suggest releasably joining a first electrical cable and a second electrical cable such that an electrical conductor disposed within a first insulation material is at least partially inserted into a second insulation material during the formation of the press and fit seal.

Thus, at least for the foregoing reasons, applicant respectfully requests the allowance of claim 21.

Claims 22-24:

Claims 22-23 are dependent on claim 21. Therefore applicant respectfully submits that claims 22-23 are patentable at least for the reasons set forth above for claim 21. Claim 24 is dependent on claim 23. Therefore applicant respectfully submits that claim 24 is patentable at least for the reasons set forth above for claim 21.

CONCLUSION

In view of the above amendments and remarks, allowance of the pending claims is respectfully requested.

Respectfully submitted,

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